GROUP XI DENTAL

DENTAL TECHNICIAN

(DT)

DENTAL TECHNICIAN (DT)



CAREER PATTERN

MEDICAL GENERAL RATING SERVICE CORPS SCOPE DTCM Dental Technicians perform clinical and administrative duties, assisting DTCS dental officers in treatment of patients, performing first aid, preparing and carrying out dental administrative assignments, and giving oral pro-DTC phylactic treatment under supervision and assisting in the preventive dental program. Dental Technicians may be qualified in other than the foregoing, such as dental prosthetic laboratory techniques and mainte-DT1 nance and repair of dental equipment. Dental technicians must be prepared to assist in the prevention and treatment of nuclear, biological, DT2 and chemical (NBC) warfare casualties. DT3 SERVICE RATINGS DΝ

Note: All Dental Technicians will be examined on subject areas "A" through "G". Individuals designated by the Bureau of Medicine and Surgery as Dental Technician, Prosthetic, or Dental Technician, Repair will have examinations in which the specialty is emphasized. Fifty percent of the technical questions for Prosthetic Technicians will cover items in the subject area "H". Fifty percent of the technical questions for Repair Technicians will cover items in subject area "I". The total number of questions will be the same for all persons examined.

None.

None.

	FICATIONS FOR ADVANCEMENT ST AID—Continued	Required for Advancement to DT
2.00	Knowledge Factors	
.01 .02	Use of plasma and serum albumin and procedures for venipuncture Dental first-aid procedures	3 3
C. DEI	ntal assistance	
1.00	Practical Factors	
.01	Prepare setups for dental treatment	3
2.00	Knowledge Factors	`
	None.	
D. OR	AL HYGIENE	
1.00	Practical Factors	
.01 .02	Remove deposits from teeth	3 3
2.00	Knowledge Factors	•
	None.	
E. ROI	ENTGENOGRAPHY	
1.00	Practical Factors	
.40	Expose and process roentgenograms of the head	2
2.00	Knowledge Factors	
.40	Roentgenographic techniques for the head	2
F. DEI	NTAL ADMINISTRATION	
1.00	Practical Factors	
.01 .02	Prepare dental service report	3
.40	Test Instructions)	3 2
.41	ance with current instructions	2
.60	Maintain service records and prepare reports required at dental activities	1
.61	Procure, maintain records for, and issue or dispose of, dental supplies and equipment, including Navy stock account procedures	. 1
2.00	Knowledge Factors	
.60	Security regulations for classified matter	1
.61 .62	Organization and administration of dental activities Organization and functions of the Medical Department of the Navy	1

QUALI	Required for Advancement	
F. DE	NTAL ADMINISTRATION—Continued	DT
2.00	Knowledge Factors—Continued	
.80		_
.81	control, financial reports, and estimates of requirements Personnel accounting in accordance with the Instructions for the Naval Manpower Information System	c c
G. NU	CLEAR, BIOLOGICAL, AND CHEMICAL (NBC) WARFARE DEFENSE	
	Practical Factors	
1.00		
	None.	
2.00	Knowledge Factors	
		3 3
	niques and control of epidemics	·3
H. PF	OSTHODONTICS (Dental Technicians, Prosthetic only)	
1.00	Practical Factors	
.01 .02 .03	Prepare record bases, occlusal rims, and wax-ups	3 3
.04 .4(.4) .4(dentures	3 3 2 2 2 2 1
.6:		1
2.0	Nowledge Factors	v
.0 .4	Principles and procedures in the use of dental prosthetic materials Heat-treatment procedures and properties of gold alloys	3 2
I. Di	ENTAL EQUIPMENT REPAIR (Dental Technicians, Repair only)	
1.0	0 Practical Factors	
.4	Perform preventive maintenance, repair, and service on: a. Air, gas, and water systems b. Unit electrical systems c. Foot pump and motor chairs d. Dental operating room accessory equipment e. X-ray equipment f. Sterilizers and autoclaves g. Dental hand pieces h. Laboratory equipment	2 2 2 2 2 2 2 2

Q۱	UALIFICATIONS FOR ADVANCEMENT	Required for
I.	DENTAL EQUIPMENT REPAIR (Dental Technicians, Repair only)—Continued	Advancement to DT
	2.00 Knowledge Factors	
	.40 Safety factors in use of dental equipment	9



DEPARTMENT OF THE NAVY

BUREAU OF NAVAL PERSONNEL WASHINGTON, D.C. 20370

IN REPLY REFER TO

9 MAY 1967

From: Chief of Naval Personnel
To: All Ships and Stations

Subj: Manual of Qualifications for Advancement in Rating,

NavPers 18068B; Change No. 2 to

Encl: (1) Subject Change

1. Enclosure (1) incorporates revisions to the qualifications for advancement in rating contained in subject manual. These revisions are based on structural changes to the rating structure approved by the Secretary of the Navy, on research findings, and on recommendations by the fleet and shore establishment.

- 2. Effective dates for examination purposes are set forth on page 15 of subject change.
- 3. This manual provides minimum occupational and military qualification standards for advancement in general rates and ratings for all Navy enlisted personnel. They serve as a basic reference for assignment and utilization of personnel, development of Navywide advancement in rating examinations, preparation of training courses, training publications, school curricula, and on-the-job training programs.
- 4. It is essential that the qualifications contained in this manual reflect current requirements of a majority of the petty officers in a given rating in fleet and shore operations. Individual commands, therefore, should review these qualifications on a continuing basis. As they become obsolete, or as developments become fleetwide and require inclusion in the manual, recommended changes to qualifications should be forwarded to the Chief of Naval Personnel (Pers-A3). These should be submitted in accordance with the guidelines set forth in the introduction.
- 5. Enclosure (1) is effective immediately for information and planning. It is to be inserted in the manual as appropriate. Record the change on page ii and include this letter as first page.

M. F. WEISNER
Assistant Chief of Naval Personnel

OF NAVPERS 18068B, CHANGE NO. 2

accuracy of the manual, after change number 2 inal pages are indicated by 0. Right-hand Letters of promulgation and divider pages

h.	Page	Ch No	Page	Ch.	Page	Ch.	Page	Ch.	
00001112111112000022111111222222222111111	8-39 8-41 8-43 8-45	0011111100000001111111000002222200000000	9-59 9-61 9-63 9-65 9-67 9-71 9-73 9-75 9-77 9-78.1 9-83 9-83 9-85 9-87	022222211111222222222222222222222222222	9-104.9 9-105 9-107 9-107 9-109 9-111 9-113 9-115 9-117 9-121 9-123 9-125 9-127 9-129 9-131 10-3 10-5 11-1 12-3 11-5 12-1 12-3 12-5 13-1 13-3 A-5 A-7 A-9 B-1 C-1 C-3 C-6 C-6 C-7 C-8 C-9 C-11 C-12 C-14 C-14	2222200001111111000022211111122		1112212121212122122122	

SUMMARY OF SUBSTANTIVE CHANGES IN CHANGE NO. 2

A. Occupational Standards for advancement in certain ratings and general rates have been reviewed and revised. This Change introduced standardization of qualification items by duplicating similar or like items for each rating where required. Each change resulting from this review is denoted by an asterisk. For the type of change made, refer to the Disposition Sheet, Appendix C, for the subject rating.

B. Major revisions:

- (1) FIRE CONTROL TECHNICIAN (FT): In accordance with BuPers Notice 1440 of 25 November 1966, promulgated in advance of Change No. 2, advancement requirements have been revised to reflect the new service rating FTB (Ballistic Missile Fire Control), in paygrades E-4 through E-7, and the extension of service ratings FTG (Gun Fire Control) and FTM (Surface Missile Fire Control) through paygrade E-7. The FTM service rating, formerly Missile Fire Control, has been retitled Surface Missile Fire Control, but still retains the FTM designation.
- (2) BOILERMAN (BT): In accordance with BuPers Notice 1410 of 30 December 1966, the advancement requirement for BT personnel to be certified in boiler water and feedwater testing and treating has been upgraded from E-5 to E-6 and above. New qualification items on boiler inspection have been added.
- (3) MACHINE ACCOUNTANT (MA): Rating title of Machine Accountant (MA) was changed to Data Processing Technician (DP), in accordance with BuPers Notice 1440 of 3 April 1967,
- (4) NAVY MAINTENANCE AND MATERIAL MANAGEMENT. (3-M) SYSTEM: Advancement qualifications have been developed pertaining to the 3-M System and incorporated in the following general ratings: Sonar Technician (ST), Gunner's Mate (GM) excluding the GMT service rating, Fire Control Technician (FT), Missile Technician (MT), Electronics Technician (ET), Boilermaker (BR), Aviation Machinist's Mate (AD), Aviation Electronics Technician (AT), Aviation Electrician's Mate (AE), Aircrew Survival Equipmentman (PR), Aviation Fire Control Technician (AQ), Aviation Structural Mechanic (AM), Aviation Antisubmarine Warfare Technician (AX), and Aviation Maintenance Administrationman (AZ).

C. Occupational standards for the following ratings have been revised as indicated

- (1) SONAR TECHNICIAN (ST) Revised to eliminate requirements for mine detection sonar, and speed requirement of 6 wpm in sending and receiving international Morse code.
- (2) MISSILE TECHNICIAN (MT) Revised to reflect the fact that MT's are now handling missiles, and also to include Boolean algebra.
- (3) BOILERMAKER (BR) Revised to include coverage of Automatic Combustion Control (A.C.C.),
- (4) AVIATION MACHINIST'S MATE (AD) Revised to reflect the requirements for turbo-prop aircraft and other technological advances brought about by the introduction into the fleet of new aircraft.
- (5) AVIATION ELECTRICIAN'S MATE (Λ E) Revised to include requirements imposed by the attitude reference system.
- (6) AVIATION FIRE CONTROL TECHNICIAN (AQ) Revised to reflect increased usage of complex aircraft armament control system computers.
- (7) AVIATION ANTISUBMARINE WARFARE TECHNICIAN (AX) Revised to reflect increased usage of complex computer systems.

- (8) AVIATION ELECTRONICS TECHNICIAN (AT) Revised to reflect increased usage of complex computer systems.
- (9) AIRCREW SURVIVAL EQUIPMENTMAN (PR) Revised to reflect various changes in terminology, and new requirements concerned with oxygen and oxygen equipment.
- (10) AIR CONTROLMAN (AC) Revised to remove implications that AC's have any Aviation Electronics Technician (AT) responsibilities and include the requirement for control of air traffic by precision approach radar (PAR).
- (11) ELECTRONICS TECHNICIAN (ET) Revised to eliminate separate listings of electronic equipment or terms used to define qualifications.
- (12) CONSTRUCTION ELECTRICIAN (CE) Extensively reworded, the principal revision being the up-dating of defensive tactics.
- (13) COMMISSARYMAN (CS): "Food service" has been substituted for "commissary" and "subsistence" in all instances where the advancement qualification item refers to general mess management.
- (14) UTILITIESMAN (UT) Extensively reworded, the principal change being the up-dating of defensive tactics.
- (15) GUNNER'S MATE (CM) Revised to include responsibility for certain categories of small arms. Also, many items rendered obsolete by increased technological sophistication have been deleted from the rating.
- (16) ILLUSTRATOR-DRAFTSMAN (DM) Revised items to emphasize the DM's duties as an illustrator and to deemphasize the engineering aspects.
- (17) DISBURSING CLERK (DK) Revised to reflect changes in disbursement procedures.
- (18) DATA SYSTEMS TECHNICIANS (DS), RADARMAN (RD), RADIOMAN (RM), and AVIATION SUPPORT EQUIPMENT TECHNICIAN (AS): Special Physical Requirements were added to the AS and DS rating and revised in the RD and RM rating.
- (19) Minor revisions have been made to the following ratings: Aviation Structural Mechanic (AM), Aviation Maintenance Administrationman (AZ), Aviation Storekeeper (AK), and Dental Technician (DT). The Communications Technician (CT) changes are printed in a classified manual. No change was needed to the CT reference page printed in this Manual. The general rate of Hospitalman (HN) was reviewed but no changes were required.
- (20) TABLE OF INTERESTED BUREAUS AND OFFICES: This table has been retitled to Table of Interested Commands, Bureaus, and Offices and has been up-dated to reflect the new organizational titles and the cognizant commands, bureaus, and offices for each rating.
- (21) COMMUNICATIONS YEOMAN (CYN) PERFORMANCE TEST INSTRUCTIONS: In order to remove any ambiguity in the interpretation of the Performance Test Instructions for Radioman (RM) and CYN, the Instructions were revised to state specifically that CYN's should be tested only on teletypewriting.
- (22) COMMUNICATIONS YEOMAN (CYN): A note was included in the CYN advancement qualifications to the effect that consideration will be given to qualified CYN3's who desire to change their path of advancement to Radioman Second Class (RM2), in addition to Yeoman Second Class (YN2).
- (23) PLANNED SCHEDULE FOR PUBLICATION OF CHANGES TO MANUAL OF QUALIFICATIONS FOR ADVANCEMENT IN RATING, NAVPERS 18068B: This schedule was revised to include the Machine Accountant (MA) change of title to Data Processing Technician (DP) and

B. PLANNED SCHEDULE FOR PUBLICATION OF CHANGES TO MANUAL OF QUALIFICATIONS FOR ADVANCEMENT IN RATING, NAVPERS 18068B - Continued

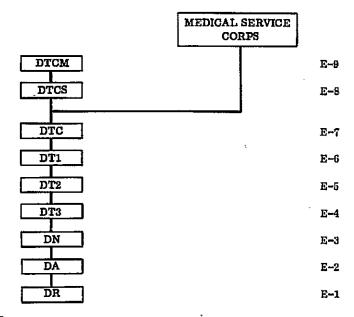
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Rate/Rating Abbreviation and Title	1967	1968		1970			
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GROUP IX - AVIATION	ľ	ł :		ľ			
40 4						Ì	
AG Aerographer's Mate		X			$\overline{\mathbf{x}}$		
AL Air Controlman	X			х	- 		
AN Airman		X		- "-	X		
FK Aircrew Survival Equipmentman	Х			X			
AX Aviation ASW Technician	X			- X			
AB Aviation Boatswain's Mate				X			
AE Aviation Electrician's Mate	X			X			
AT Aviation Electronics Technician	X			$\frac{\hat{x}}{\hat{x}}$			
AV Aviation Fire Control Technician	X			$\frac{\hat{x}}{x}$			
AU Aviation Machinist's Mate	X			 	 -		
AZ Aviation Maint, Administrationmen	::			$\frac{\lambda}{X}$			
AV Aviation Ordnanceman		 -					
Ak Aviation Storekeeper			X			X	
an Aviation Structural Mechanic [X		_^_	 -		X	
AS Aviation Support Equipment Tech.	^		-,-	Х			
PH Photographer's Mate		X	<u>x</u>				
PT Photographic Intelligenceman		- ^			Х		
TD Tradevman		^_	 }		X		
			X			X	
GROUP X - MEDICAL			1	1	- 1	<u></u>	
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HM Hospital Corpsman			!				
HN Hospitalman	-x		X			I	
	- A		Х				
GROUP XI - DENTAL	1	ŀ					
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DN Dentalman							
DT Dental Technician	 -		_X				
	_х		X				
GROUP XII - STEWARD	- 1	ľ					
a a a a a a a a a a a a a a a a a a a	- 1	- 1	1			ł	
SD Steward							
TN Stewardsman	` 				Х		
					Х		
EMERGENCY RATING			- 1				
		1		- 1			
ESK Telecomm Censorship Technician						j	
Gensorship technician			Х			Х	
MILITARY STANDARDS		— <u>.</u>		I			
		X			Х		

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RATES/RATINGS		<u> </u>	<u>~</u>	<u>"</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>"</u>	<u> </u>	<u>%</u>	9
(AB) Aviation Boatswain's Mate	x	х	x	x			l	\mathbf{x}				i
AC) Air Controlman	х	X	x	\mathbf{x}								
AD) Aviation Machinist Mate	x	х	х	x								
AE) Aviation Electrician's Mate	x	x	х	x	\mathbf{x}				,			
AG) Aerographer's Mate	<u>x</u>	<u>x</u>	x	x_				X				`
AK) Aviation Storekeeper	x	х	х	x					x		\mathbf{x}	
AM) Aviation Structural Mechanic	\mathbf{x}	х	х	x								
AN) Airman	x	х	\mathbf{x}	x								
AO) Aviation Ordnanceman	\mathbf{x}	\mathbf{x}	x	x			х					
AQ) Aviation Fire Control Tech.	х	х	x	X	1		X			1		
AS) Aviation Support Equipmentman	х	X	x	x								
AT) Aviation Electronics Tech.	х	x	x	x	х						1	
AX) Aviation Antisub, Warf. Tech.	х	x	х	x	х							
AZ) Aviation Maint. Adm.	х	x	x	x						<u> </u>		
BM) Boatswain's Mute	х	x	x				i	x				
BR) Boilermaker	х	х	х					X				
BT) Boilerman	x	x	x					x	<u> </u>			
BU) Builder	x		х			x		-				
CE) Construction Electrician	X		х			X						
CM) Construction Mechanic	x		x			X	1				l	
CN) Constructionman	x		x			X						
CS) Commissaryman	x	x	x		1				x			
CT) Communications Technician	x	х	х						<u> </u>			
DC) Damage Controlman	х	х	x					x	 	x		
DK) Disbursing Clerk	x	х	х						x	<u>-^`</u>	x	
DM) Illustrator Draftsman	x	x	x					x	<u> </u>		<u> </u>	
DN) Dentalman	x	x	x	 			-	-	 	х	 	·
DP) Data Processing Technician	х	x	x	1			ļ		x	1	x	
DS) Data Systems Technician	x	x	х	<u> </u>	x		Ī	х		1	^	
DT) Dental Technician	x	х	х	İ				"	 	x	1	1
EA) Engineering Aid	Х		x			x				<u> </u>		
EM) Electrician's Mate	х	х	х		x			x		1		
EN) Engineman	x	x	x	1				X	 		 	
EO) Equipment Operator	х		x		1	x				1		·
ET) Electronics Technician	X	х	x	 	x	<u> </u>		x		1	1	
FN) Fireman	X	X	x		1			X			1	·
FT) Fire Control Technician	X	x	X				X	 -		†	\dagger	
GM) Gunner's Mate	X	x	x				X	x	1-		一	
HM) Hospital Corpsman	X	x	x	1		_	 	<u> </u>	t	x	 	
HN) Hospitalman	X	X	x	 	\vdash		1	 	1-	X	 	

DENTAL TECHNICIAN (DT)



CAREER PATTERN



GENERAL RATING

SCOPE

Dental Technicians perform clinical and administrative duties, assisting dental officers in treatment of patients, performing first aid, preparing and carrying out dental administrative assignments, giving oral prophylactic treatment under supervision, and assisting in the preventive dental program. Dental Technicians may be qualified in other than the foregoing, such as dental prosthetic laboratory techniques and maintenance and repair of dental equipment. Dental Technicians must be prepared to assist in the prevention and treatment of nuclear, biological, and chemical (NBC) warfare casualties.

SERVICE RATINGS

None.

*Note: All Dental Technicians will be examined on subject areas "A" through "G" and "Z". Individuals designated by the Bureau of Medicine and Surgery as Dental Technician, Prosthetic, or Dental Technician, Repair, except those competing for advancement to E-8 and E-9, will have examinations in which the specialty is emphasized. Fifty percent of the technical questions for Prosthetic Technicians will cover items in the subject area "H." Fifty percent of the technical questions for Repair Technicians will cover items in subject area "I". Those competing for advancement to E-8 and E-9 will be examined primarily on qualifications for E-6 through E-8 or E-9, as appropriate. The total number of questions will be the same for all persons examined.

^{*}Denotes change

Ψ.J.	BASIC SCIENCES							
	1.00	Practical Factors						
		None.	į					
	2,00	Knowledge Factors						
	. 01	Pharmacology a. Toxicology	E-4 E-4					
в.	ADV.	Anced first aid						
	1.00	Practical Factors						
		None.						
	2.00	Knowledge Factors						
	.02 .60	Parenteral therapy procedures	E-4 E-6					
D.	ORA	L HYGIENE						
	1.00	Practical Factors	i					
	.01 .40	Remove deposits from teath	E-4 E-5					
	2,00	Knowledge Factors						
	*.60	Management of local preventive dentistry programs	E-G					
E.	ROE	NTGENOLOGY						
	1.00	Practical Factors						
	.40	Expose and process occlusal and extra-oral films	E-5					
	2.00	Knowledge Factors						
	.40 *.41	Roentgenographic techniques for occlusal and extra-oral films Dental radiation hazards and safety procedures	B-5 E-5					
G.	NUC	LEAR, BIOLOGICAL, AND CHEMICAL (NBC) WARFARE DEFENSE						
	1.00	Practical Factors						
		None.						
	2.00	Knowledge Factors	•					
	. 01	Nuclear warfare defense; recognition factors, self-help, and care of casualties	E-4					

G. NUCLEAR, BIOLOGICAL, AND CHEMICAL (NBC) WARFARE					
	DEF	PENSE - Continued	DT		
	2.00	Knowledge Factors - Continued			
	. 02 . 03	Recognition and treatment of chemical warfare casualties Biological warfare and functional understanding of isolation techniques and control of epidemics	E-4		
н.	PRO	STHODONTICS (Dental Technicians, Prosthetic only)	E-4		
	1.00	Practical Factors			
	.01	Construct casts from various types of impressions	E-4		
	. 02	Prepare record bases and occlusion rims	E-4		
	. 04	dentures Repair, reconstruct, and reline complete and partial dentures	E-4 E-4		
	. 05	Contour wax dentures	E-4		
	.40	Wax, sprue, invest, burn-out, cast and finish metal frameworks	E-5		
	.41	Survey and transfer partial denture designs as directed	E-5		
	.42	Perform wire bending and soldering procedures.	E-5		
	. 43	Arrange teeth for complete and partial dentures	E-5		
	.60	Construct inlays, erowns, and bridges.	E-6		
	.61	Supervise a dental laboratory	E-6		
	2.00	Knowledge Factors			
	. 01	Principles and procedures in the use of prosthetic materials	E-4		
	*.40	Heat-treatment procedures and laboratory properties of gold and			
		chrome cobalt alloys	E-5		
Į.	DEN'	FAL EQUIPMENT REPAIR (Dental Technicians, Repair only)			
	1.00	Practical Factors			
	*.40	Perform preventive maintenance, repair, and service on:			
		a. Air, gas, and water systems	E-5		
		b. Unit electrical systems	E-5		
		c. Foot pump and motor chairs	E-5		
		d. Dental operating room accessory equipment	E-5		
		e. Roentgenographic equipment	E-5		
			E-5		
		g. Dental handpieces	E-5		
			E-5		
	2.00	Knowledge Factors			
	.40	Safety factors in use of dental equipment	E-5		
	.41	Functions of parts of dental equipment	E-5		
	.42	Electrical safety precautions	E-5		

^{*}Denotes change

Ųυ.	ащтю	RIIONS FOR ADVANCEMENT	Required for
*Z.	ADMI	INISTRATION	Advancement to DT
	1.00	Practical Factors .	
	. 01	Prepare dental service report	E-4
	.40 .41	Prepare official correspondence	E-5
	.42	cations in accordance with current instructions	
	.60	Test Instructions.)	E-5
	.61	Procure, maintain records for, and issue or dispose of, dental supplies and equipment including Navy stock account procedures	E-6 E-6
	2.00	Knowledge Factors	
	.60 .61	Security regulations for classified matter	E-6
	. 62	activities	E-6 E-6
	.80	Appropriation accounting: appropriations, allotments, allotment	5 -0
	.81	control, and estimates of requirements	E-7
		Naval Manpower Information System	E-7
		SENIOR CHIEF DENTAL TECHNICIAN (DTCS)	•
QU.	ALIFIC.	ATIONS FOR ADVANCEMENT	
	1.00	Practical Factors	
		None.	
	2.00	Knowledge Factors	
	.90	Organization and function of medical elements of disaster control	
	.91	units	E-8 E-8
	.92	Principles of completed staff work: composition of official, business,	
		and social correspondence	E-8
		MASTER CHIEF DENTAL TECHNICIAN (DTCM)	
QU	ALIFIC	ATIONS FOR ADVANCEMENT	
	1.00	Practical Factors	
	4		

*Denotes change

None.

11-4

Ch. No. 2

MASTER CHIEF DENTAL TECHNICIAN (DTCM) - Continued

QUALIFICA	TIONS FOR ADVANCEMENT	Required for		
2.00	Knowledge Factors	Advancement to		
	Supervision of the Records Management Program and of enlisted			
	and officer service records	E-9		
	Procedures for conducting dental surveys and inspections.	F-0		

MANUAL OF QUALIFICATIONS FOR ADVANCEMENT NAVPERS 18068C

CHANGE NO. 1

Navy Department
Bureau of Naval Personnel
Washington, D.C. 26 April 1972

Change No. 1, transmitted herewith, is effective upon receipt. This change should be inserted in the Manual of Qualifications for Advancement (NAVPERS 18068C) as indicated in the list of effective pages. Included in this change is a tear-out sheet for commands to indicate adequacy of the number of copies received. All commands are urged to determine if an adequate supply is being received and to follow the instructions contained on the tear-out sheet.

DOUGLAS C. PLATE

DEPUTY CHIEF OF NAVAL PERSONNEL

SIGNIFICANT CHANGES

Changes of a substantive nature to the occupational and military qualifications as published in Change No. 1 are summarized herewith. These changes are identified in the manual by an asterisk to the left of the area or part affected or, in the case of changes incorporated in practical factors and knowledge factors, to the left of the specific qualification items (Exception: three ratings [Data Processing Technician (DP), Storekeeper (SK), and Telecomm Censorship Technician (ESK)] have been substantially revised and asterisks are not used.) Deletions are indicated in the paragraphs below.

A. NEW GENERAL RATING

1. <u>Legalman (LN)</u> - On 4 January 1972, the Secretary of the Navy approved the establishment of the new general rating, LEGALMAN (LN), to provide Judge Advocates with personnel trained in court reporting, claims matters, investigations, legal administration, and legal research. The new rating extends from the E-5 to the E-9 level. The career pattern is included in Change No. 1 for information. Rating qualifications are scheduled for promulgation in July 1972.

B. DISESTABLISHED SERVICE RATING

1. <u>Communications Yeoman (CYN)</u> - The Secretary of the Navy approved the disestablishment of the CYN service rating on 25 March 1971. All CYN's are scheduled to become RM's on 1 July 1972. Qualifications, career pattern, and all references to the CYN are removed from the Manual in Change No. 1.

C. RATING/RATE QUALIFICATIONS REVISED

1. <u>COORDINATED SHIPBOARD/SHOREBASE ALLOWANCE LIST (COSAL)</u> - Standard qualifications have been developed and are incorporated in the MACHINERY REPAIRMAN (MR) and the STOREKEEPER (SK) ratings. As appropriate, standard COSAL qualifications will be incorporated in other ratings on a cyclic basis.

- 2. Group VIII (Construction) Definitions Applicable titles/definitions are revised/incorporated in each of the Group VIII ratings: BUILDER (BU), CONSTRUCTION ELECTRICIAN (CE), CONSTRUCTION MECHANIC (CM), ENGINEERING AID (EA), EQUIPMENT OPERATOR (EO), STEELWORKER (SW), and UTILITIESMAN (UT).
- 2. Packaging of Repairable Items A standard knowledge factor concerning packaging of repairable Items is added to the following ratings: RADARMAN (RD), SONAR TECHNICIAN (ST), GUNNER'S MATE (GM), FIRE CONTROL TECHNICIAN (FT), ELECTRONICS TECHNICIAN (ET), TORPEDOMAN'S MATE (TM), MINEMAN (MN), MISSILE TECHNICIAN (MT), DATA SYSTEMS TECHNICIAN (DS), INSTRUMENTMAN (IM), OPTICALMAN (OM), ELECTRICIAN'S MATE (EM), INTERIOR COMMUNICATIONS ELECTRICIAN (IC), ELECTRONICS WARFARE TECHNICIAN (EW), MACHINERY REPAIRMAN (MR), and STOREKEEPER (SK).
- 4. Security of Communications A knowledge factor which emphasizes the need for awareness of communication security is added to the following ratings: QUARTERMASTER (QM), ELECTRONICS WARFARE TECHNICIAN (EW), RADARMAN (RD), RADIOMAN (RM), SIGNALMAN (SM), SONAR TECHNICIAN (ST), YEOMAN (YN), and AIR CONTROLMAN (AC).
- 5. In accordance with the latest revision of the Department of the Navy Security Manual for Classified Information (OPNAV INSTRUCTION 5510.1C), article numbers in the standard security qualifications as presently contained in the Military Standards and in the rating qualifications for personnel who require access to classified matter are obsolete and will be updated on a cyclic basis. Change No. 1 contains revised article numbers for the Military Standards, DATA PROCESSING TECHNICIAN (DP), JOURNALIST (JO), LITHOGRAPHER (LI), and YEOMAN (YN).
- 6. Aviation Antisubmarine Warfare Operator (AW) The note regarding qualifications for advancement is revised to indicate that AW qualifications are contained in Supplement No. 3 to the Manual. Special Physical Requirements Information for AW rating is revised to reflect minimum vision requirement of 20/200 in each eye correctable to 20/20 for entry into AW rating and to indicate the hearing standards as set forth in the Manual of the Medical Department, Article 15-67.
- 7. Boilerman (BT) and Boilermaker (BR) In accordance with CNO message of 2 November 1971, the title of the BT rating is changed to BOILER TECHNICIAN (BT). Title abbreviation remains the same. This change in title is reflected in the qualifications for the BT rating and the BR rating.
- 8. <u>Builder (BU)</u> Knowledge factor concerning operation of concrete batching plant is deleted. Title and definition for operator maintenance are revised.
- 9. <u>Commissaryman (CS)</u> The practical factor to perform duties of watch captain is deleted since there is no longer a requirement for the CS to perform such duties.
- 10. Construction Electrician (CE) Numerous qualifications are added or revised for clarity and to reflect current trade terminology. A few SAFETY (Section A) and ADMINISTRATION (Section Z) qualifications have been extracted from those sections and are inserted in sections with their related practical or knowledge factors. Three new sections are added as follows: SHOP WORK (Section H); AUTOMATIC CONTROLS (Section I); and PLANNING, ESTIMATING, AND SCHEDULING (Section J). Definitions for CE are incorporated. New and revised qualifications are added for the Senior and Master Chiefs.
- 11. Data Processing Technician (DP) The scope of the rating is slightly reworded for clarity. MACHINE OPERATION AND SETUP (Section B) is changed to ELECTRIC ACCOUNTING MACHINE SETUP AND OPERATION, and those qualifications which are administrative or Electronic Data Processing oriented are moved to the respective sections. Standard 3-M qualifications are removed because DP's are operators only and adequate requirements for 3-M are

listed in the Military Standards. Numerous knowledge factor requirements are added. Broad, general practical factors are replaced by more specific and definitive practical factors. Rating qualifications are substantially revised.

- 12. <u>Dentalman (DN)</u> Terminology has been revised to reflect current usage, including change in title from ORAL ROENTGENOLOGY (Section E) to ORAL RADIOGRAPHY.
- 13. Dental Technician (DT) Terminology is changed to reflect current usage. One E-6 knowledge factor in CASUALTY CARE (Section B) which is inappropriate for a DT and one in ADMINISTRATION (Section Z) which is covered in Military Standards are deleted. Several new qualification items are added: (a) a knowledge factor concerning carles and periodontal disease to PREVENTIVE DENTISTRY PROCEDURES (Section D); (b) one practical factor regarding equipment installation to DENTAL EQUIPMENT REPAIR (Section I); and (c) practical factors regarding calibration of heating equipment, record keeping for metals used in dentistry, and working with porcelain operations to PROSTHODONTICS (Section F). Minor equipment repair in DENTAL OPERATING ROOM PROCEDURE (Section C), equipment repair in Section F, and service record maintenance in Section Z are downgraded to the E-6 level. Basic prosthetic construction qualifications in Section F are downgraded to the E-4 level.
- 14. <u>Electrician's Mate (EM)</u> The special physical requirement of 20/20 correctable in each eye for entry into the EM rating is deleted. General requirements for EMCM are revised to specify that any E-8 advancing to EMCM must acquire security clearance prior to advancing to EMCM. A standard knowledge factor concerning the packaging of repairable items is added to the E-4 level.
- 15. Electronics Warfare Technician (EW) The newly developed rating badge for the EW rating is incorporated. A knowledge factor emphasizing the need for communications security is added. A standard knowledge factor concerning the packaging of repairable items is added at the E-4 level.
- 16. Engineering Aid (EA) Numerous qualifications are added or revised for clarity and to reflect current requirements and trade terminology, particularly in SURVEYING (Section B) and in MATERIAL TESTING AND QUALITY CONTROL (Section E). New and revised qualifications are added for the Senior and Master Chiefs. Definitions for the EA are incorporated.
- 17. Hull Maintenance Technician (HT) The newly developed rating badge for HT is incorporated.
- 18. <u>Instrumentman (IM)</u> Practical Factors in SOLDERING AND REFINISHING (Section J) have been renumbered to correct printing error. A standard knowledge factor concerning the packaging of repairable items is added at the E-4 level.
- 19. <u>Interior Communications Electrician (IC)</u> The special physical requirement of 20/20 correctable in each eye for entry into the IC rating is deleted. A standard knowledge factor concerning the packaging of repairable items is added at the E-4 level.
- 20. <u>Journalist (JO)</u> Numerous qualification items are revised for clarification purposes. Knowledge factors emphasizing the importance of internal relations are included in PUBLIC AFFAIRS (Section B). A requirement for a knowledge factor at the E-5 level of DOD regulations governing Armed Forces newspapers and civilian publications is added in NEWSWRITING (Section C). A knowledge factor at the E-5 level concerning color photography is added to PHOTOGRAPHY (Section E). A knowledge factor concerning the capabilities and limitations of various printing processes is added at the E-5 level in LAYOUT AND MAKEUP (Section G). The requirement in Section C that an E-5 cover a major news event is changed from a practical to a knowledge factor. The requirement for an E-5 to have a knowledge of regulations applying to civilians other than news media representatives in Navy ships and aircraft is moved from ADMINISTRATION (Section Z) to

- Section B. The requirement for a knowledge of proofreading symbols is transferred from EDITING (Section F) to Section G. Two items in Section B and two in RADIO AND TELEVISION (Section D) are upgraded. One item in Section B and one in Section D are downgraded. Items in Sections B, C, D, and Z are deleted because they are covered by items in other sections, or because they are no longer required of the majority of personnel in the rating. Armed Forces Radio/TV is changed in the scope statement and where appearing throughout the qualifications to American Forces Radio/TV. SECURITY (Section AA) is updated to show current articles.
- 21. <u>Lithographer (LI)</u> A new knowledge factor at the E-4 level covering types and characteristics of lighting systems used with a process camera is added to CAMERA OPERATION AND FILM PROCESSING (Section C). The requirement to organize and administer a program of safety instruction applicable to printing operations is downgraded to the E-5 level. The E-5 requirement of a knowledge of the principles of form design in LAYOUT, COPY PREPARATION, AND PROOFREADING (Section B) is deleted. SECURITY (Section AA) is updated to show current articles.
- 22. Machinery Repairman (MR) The scope is revised for clarity and contains a summary of machine tools, handtools, portable machinery, and measuring instruments found in a machine shop. SAFETY (Section A) is revised by including additional safety qualifications. Practical and knowledge factors are added or revised throughout the rating. New and revised qualifications are added for the Senior and Master Chiefs. Qualifications for COSAL and packaging of repairable items are incorporated.
- Musician (MU) Scope is changed by deleting reference to orchestras. Note (1) is amended by deleting requirement that examinations for MUC will be made by an MUC "from another command." SAFETY (Section A) reflects editorial change to indicate all applicable practical and knowledge safety factors are contained in the Military Standards. CONDUCTING (Section E) is changed by downgrading an item pertinent to conducting a march. INSTRUMENTA-TION AND ARRANGING (Section F) is changed by increasing the number of pieces in concert and dance bands for which an arrangement must be made. INSTRUMENTAL PERFORMANCE (Section I) is changed by the addition of Rock Rhythms to the applicable practical factor. ADMINISTRA-TION (Section Z) is changed by the deletion of two items, one of which is covered by Military Standards and one not considered a requirement for MU rating advancement. Senior and Master Chief Sections are changed by deletion of an E-8 item covered by Military Standards and addition to an item requiring MUCS to have knowledge of foreign language phrases used in band music; and an E-9 item is revised to increase the band size for which an annual inventory report must be made.
 - 24. Ocean Systems Technician (OT) Rating entry codes are added to the career pattern.
- 25. Postal Clerk (PC) Qualifications are changed to emphasize, at the lower paygrades, the responsibilities for the knowledge and practical factors to reflect requirements and assignments at their respective paygrades. Terminology is updated to reflect current operations and the changing of the Postal Department to U.S. Postal Service Corporation operations. Three new qualifications are added: (a) Procedures for collecting and remitting charges on custom duty mail, (b) Disposition of C.O.D. mail received at Navy post offices, and (c) Monitor compliance with security regulations for classified matter.
- Radarman (RD) Reference to Electronic Countermeasures (ECM) equipment operation is removed from the Scope statement, and where appearing throughout the practical factors since the ELECTRONICS WARFARE TECHNICIAN (EW) is responsible for the operation and maintenance of ECM equipment. In DETECTION EQUIPMENT (Section B), the knowledge factor concerning the employment, capabilities, and limitations of Naval Tactical Data Systems (NTDS) is removed since it is no longer applicable. In COMMUNICATIONS (Section D), a knowledge factor at the E-4 level concerning the security of communications is added. A knowledge factor at the E-4 level regarding the packaging of repairable items is included in ADMINISTRATION (Section Z).

- 27. Radioman (RM) Career pattern is revised by eliminating the disestablished Communications Yeoman (CYN) service rating. A standard knowledge factor concerning security of communications is added at the E-4 level to PUBLICATIONS AND DEVICES (Section C).
- 28. <u>Ship's Serviceman (SH)</u> The career pattern is revised to eliminate Rating Entry Series NEC's for clerk, barber, tailor, laundryman, and cobbler since all SH personnel at the lower paygrades must acquire a knowledge of these specialties, prior to advancing to higher paygrades requiring supervision of these specialties.
- Storekeeper (SK) Rating qualifications are substantially revised. Scope is changed to be less specific and in general terms. Terminology and source references are updated in all subject matter areas. Items throughout the rating qualifications which are not a minimum requirement or duplicated (within the rating or in Military Standards) have been deleted. APPROPRIATIONS, ALLOTMENTS, AND FUNCTIONAL ACCOUNTS (Section B) is retitled APPROPRIATIONS, ALLOT-MENTS, AND FUND CODES. STOCK RECORDS AND INVENTORY CONTROL (Section F) is changed to INVENTORY MANAGEMENT. AUTOMATED SUPPLY AFLOAT (Section G), a new subject matter area, introduces seven knowledge factors reflecting requirements dealing with mechanized supply procedures. Numerous items in all sections were downgraded. Qualifications pertaining to accounting for equipage in Section F and control and supervision of supply department publications in ADMINISTRATION (Section Z) were upgraded. Items in RECEIPTS, CUSTODY, AND STOWAGE (Section D) pertaining to receipt, inspection, stowage, and special categories of material were realigned by upgrading and downgrading. New qualifications were added: (a) in Section B - OPTAR report and financial listing; (b) in EXPENDITURES AND SHIPMENTS (Section E) - requirements that SK know procedures pertaining to stores under unusual circumstances, and requirement for handling repairables; (c) in Section F - items concerning equipage records and reports; control of repairable items, stock monitoring criteria applicable to pre-expended bin items; and (d) in Section Z - items pertaining to face-to-face skills and to the Coordinated Shipboard/Shorebase Allowance List (COSAL). Qualification items revised include (a) in MATERIAL IDENTIFICATION AND PRO-CUREMENT (Section C) - several items concerned with routine supply requirements are combined; (b) in Section F - changes are incorporated which revise inventory procedures and responsibility, and mandatory turn-in requirements; (c) in Section Z - Supply Department organization and functions and publications now apply to both ashore and affoat operations. Standard 3-M qualifications are removed from Section Z since adequate requirements are listed in the Military Standards.
- 30. Telecomm Censorship Technician (ESK) Rating qualifications are substantially revised. The rating title is changed to, "Information Security Specialist (ESK)" in keeping with the new National Telecommunications Wartime Information Security Program (TELEWISP) title. Rating abbreviation is retained. The scope of the rating is reworded for clarity and the words "censor" and "censorship" are eliminated throughout the rating. Numerous knowledge factors are added. Also, numerous broad and general practical factors are replaced by more specific and definitive practical factors.
- 31. <u>Utilitiesman (UT)</u> Numerous qualifications are added or revised for clarity and to reflect current requirements. Two new sections are added as follows: PLANNING, ESTIMATING, AND SCHEDULING (Section J) and SEWAGE TREATMENT AND DISPOSAL (Section K). The majority of qualifications for these new sections were taken from ADMINISTRATION (Section Z) and WATER TREATMENT AND SANITATION (Section D) respectively. A few specific SAFETY (Section A) and ADMINISTRATION (Section Z) qualifications have been extracted from those sections and inserted in other sections with their related practical or knowledge factors. New and revised qualifications are added for the Senior and Master Chiefs. Definitions for the UT are incorporated.
- 32. <u>Yeoman (YN)</u> The career pattern is revised with CYN deleted and LN path of advancement included. References to CYN throughout the rating are deleted. A knowledge factor emphasizing the need for communications security is added.

D. MILITARY STANDARDS REVISED

The Military Standards are revised to reflect precautions required to prevent hearing loss due to repeated small arms fire; steps required to negate hostile signals intelligence threat to security in communications operations; and the inclusion of the Engineering Aid (EA) for certain

EFFECTIVE PAGES

The following list may be used to verify the accuracy and completeness of the Manual of Qualifications for Advancement (NAVPERS 18068C) after Change No. 1 has been inserted. Only right-hand pages are listed. "0" in the "Ch. No." column indicates pages from the "C" edition of the Manual.

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SPECIAL PHYSICAL REQUIREMENTS FOR RATINGS - Continued

The requirements listed below are applicable to entry into a rating, and are required in addition to the physical requirements for entry into the Naval service. (See INTRODUCTION, Section 1

RATING	\$0 60°	TO THE PARTY OF TH	of the light	Street Acti	Secondary Ac	Free Trees	Silver S
(DP) Data Processing Technician	x	<u> </u>	/ -	/ 	~ `	<u> </u>	1/3/
(DS) Data Systems Technician			╅	┥──-	 -	 	<u> </u>
(DT) Dental Technician	x		- 	X	 ×	├	ļ
(EA) Engineering Aid	×		┼		 -		<u> </u>
*(EM) Electrician's Mate		 	 	 	┼		
(EN) Engineman	x	 -	 	×	╄		
(EO) Equipment Operator	x	 	 	 	┼──		<u> </u>
*(ESK) Information Security Specialist	x		╀	 	 		
(ET) Electronics Technician	^ _		 		 		
(EW) Electronics Warfare Tech.				X	_x		
(FT) Fire Control Technician			 	x	<u> </u>	X	
(GM) Gunner's Mate				x			
(HM) Hospital Corpsman			 	<u> </u>			
(HT) Hull Maintenance Technists	<u>x</u>			 			
*(IC) Interior Comm. Electrician	* 			<u> </u>			
(IM) Instrumentman			A	X			
(JO) Journalist	-		20/100	×			
(LI) Lithographen	×						
*(LN) Legalman	<u>x</u>						
(ML) Molder	×						
(MM) Machinistic No.	x						
(MN) Mineman	×						
(MR) Machinery Remisser				х	[
(MT) Missile Technician	<u>K</u>						
(MII) Musician				_x	_x	T	
(OM) Opticalman	ξ'						
(OT) Ocean Systems Technician			20/100	_x			
(PC) Postel Claste			20/100	x			
(PH) Photographer's Mate	-						
(PM) Pottonomoleon				x			
(PN) Parsannal							
(PR) Aircrew Survival Equip'man				x			
(PT) Photographic Intelligenceman			х	х			$\overline{\Lambda}$
(QM) Quartermaster			х	x			

^{*}Denotes change

DENTALMAN (DN)

GENERAL RATE

SCOPE

Dentalmen are personnel in training for the rating of Dental Technician.

Assist dental officers in the treatment of patients; render first aid; sharpen, sterilize, and arrange dental instruments; care for dental equipment; maintain dental offices; and keep routine office records.

Note: Examinations for advancement to Dentalman (DN) may be prepared either locally, or taken from standard examination questions prepared and distributed to all commands by the Naval Examining Center.

is a

DT

_ .

DN E-3

DA E-2

DR E-1

CAREER PATTERN

QUALIFICATIONS FOR ADVANCEMENT

A. BASIC SCIENCES

1.00 Practical Factors

None.

2.00 Knowledge Factors

- .31 Elementary anatomy and physiology pertinent to casualty care.
- .32 Elementary histology, bacteriology, and pathology of the oral structures as pertains to dental emergency and operating room procedures.
- .33 Dental Anatomy: Classification and identification of the teeth.
- .34 Pharmacology and toxicology of drugs used in dental operating rooms and in first aid procedures.
- .35 Anatomy and physiology of the head, neck, and oral structures.

B. CASUALTY CARE

- 1.00 Practical Factors
- .31 Perform resuscitative procedures.
- .32 Care for resuscitative devices.
- .33 Apply dressings, bandages, and splints.
- 2.00 Knowledge Factors
- .31 Principles and precautions of general first aid.
- .32 Symptoms and treatment of shock, hemorrhage, fractures, burns, asphyxia, unconsciousness, wounds, and poisoning.

QUALIFICATIONS FOR ADVANCEMENT

DENTAL OPERATING ROOM PROCEDURE

- 1.00 Practical Factors
- Prepare patients for treatment. .31
- Identify, care for, and sharpen dental instruments. .32
- Sterilize dental instruments and materials. .33
- Prepare dental materials used in operative dentistry. .35
- .36 Assist dental officer during operative dentistry procedures.
- Provide preventive maintenance to dental equipment.
- Prepare setups for operative procedures. .38
- 2.00 Knowledge Factors
 - Principles of manipulation of dental materials.
 - Emergency dental procedures.

PREVENTIVE DENTISTRY PROCEDURE D.

1.00 Practical Factors

None.

- 2.00 Knowledge Factors
 - Principles of preventive dentistry.

*E. ORAL RADIOGRAPHY

1.00 Practical Factors

None.

- 2.00 Knowledge Factors
- Periapical, bite-wing, and occlusal radiographic techniques.
- *.33 Causes of faulty radiograms.

ADMINISTRATION

- Practical Factors 1.00
- Record dental conditions and treatments rendered.
- Maintain data necessary for preparation of Dental Service Report. . 33
- 2.00 Knowledge Factors
- .32 Classification and scheduling of patients.

^{*}Denotes change

DENTAL TECHNICIAN (DT)



CAREER PATTERN

DTCM]	E-9
DTCS]	E-8
DTC]	E-7
DT1]	E-6
DT2	1	E-5
DT3		E-4
DN]	E-3
DA]	E-2
DR]	E-1

Normal path of advancement to officer status for Dental Technician is to Commissioned Officer in the Medical Service Corps (230X).

GENERAL RATING

SCOPE

Dental Technicians perform clinical and administrative duties, such as assisting dental officers in the treatment of patients, preparing and carrying out dental administrative assignments, and performing preventive procedures. Dental Technicians may be qualified in other duties in addition to the foregoing, such as dental prosthetic laboratory techniques and maintenance and repair of dental equipment. Dental Technicians must be prepared to assist in the treatment of casualties.

SERVICE RATINGS

None.

Note:

All Dental Technicians will be examined on subject areas "A" through "E" and "Z." Individuals designated by the Bureau of Medicine and Surgery as Dental Technician, Prosthetic, or Dental Technician, Repair, except those competing for advancement to E-8 and E-9, will have examinations in which the specialty is emphasized. Fifty percent of the technical questions for Prosthetic Technicians will cover items in the subject area "F." Fifty percent of the technical questions for Repair Technicians will cover items in subject area "I." Those competing for advancement to E-8 and E-9 will be examined primarily on qualifications for E-6 through E-8 or E-9, as appropriate. The total number of questions will be the same for all persons examined.

QUALIFICATIONS FOR ADVANCEMENT Required for Advancement to A. SAFETY DT 1.00 Practical Factors None. 2.00 Knowledge Factors . 02 Safety precautions to be observed during the following procedures: Radiography b. E-4 c. E-4 E-4 *.03 E-4 *.04 B. CASUALTY CARE 1.00 **Practical Factors** None. 2.00 Knowledge Factors

Parenteral therapy procedures

Treatment and management of mass casualties

Prepare dental materials used in endodontic, periodontic, and prosthodontic procedures

Assist dental officer in all phases of dentistry

Prepare setups for all phases of dentistry

Procedures for minor maintenance of dental equipment

Educate and motivate patients to practice plaque control

Prepare and present oral health educational material

DENTAL OPERATING ROOM PROCEDURE

Practical Factors

Knowledge Factors

Practical Factors

PREVENTIVE DENTISTRY PROCEDURES

E-4

E-6

E-4

E-4

E-4

E-4

E-4

È-5

*Denotes change

.01

. 02

* .60

1.00

.01

. 02

. 03

.40

2.00

* .60

1.00

*.01

*.02

*.03

* .42

C.

D,

11-2

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Supervise a dental laboratory E-6

Perform complete characterizing and glazing of porcelain E-6

Principles of oral anatomy as related to prosthetic dentistry E-4

Thermal characteristics of dental metals E-4

*Denotes change

.61

*.62

2.00

.01

.02

*.03

Knowledge Factors

QU.	Required for Advancement to		
F.	PRO	STHONDONTICS (Dental Technicians, Prosthetic only) - Continued	DT DT
	2.00	Knowledge Factors - Continued	
	.41	Principles of constructing inlays, crowns, and fixed partial	
		dentures	• E-5
	*.60	Procedures for minor repair of equipment	• E-6
	*.61	All aspects of porcelain operations	. E-6
I.	DEN'	TAL EQUIPMENT REPAIR (Dental Technicians, Repair only)	
	1.00	Practical Factors	
	.40	Perform preventive maintenance, repair, and service on:	
		a. Air, gas, and water systems	• E-5
		b. Unit electrical systems	• E-5
		c. Motor chairs	• E-5
		d. Dental operating room accessory equipment	• E-5
	1	* e. Radiographic equipment	• E-5
		f. Autoclaves and sterilizers	• E-5
		g. Dental handpieces	
		h. Laboratory equipment	• E-5
		i. Air compressors	• E-5
	* .41	Install all items of dental equipment within a prepared site	• E-5
	2.00	Knowledge Factors	
	.41	Function of parts of dental equipment	. E-5
	*.43	Principles of basic hydraulics, electricity and electronics	• E-5
	* .44	Use and care of hand tools and power hand tools	- E-5
z.	ADM	INISTRATION	
	1.00	Practical Factors	
	.02	Typewrite for 5 minutes at 20 wpm (See Performance Test	
	.40	Instructions).	• E-4
	.41	Prepare official correspondence	
		publications	• E-5
	.43	Prepare Dental Service Report	• E-5
	. 60	Prepare reports required at dental activities	• E-6
	.61	Procure, maintain records for, issue or dispose of, and demonstrate proper security of, dental supplies and equipment	• E-6
	2.00		
	4. VU	Knowledge Factors	
	.01	Preparation of Dental Treatment Records	• E-4
	*.40	Management of records used in administering dental treatment	. E-5
	.41	Organization of Medical Department of the Navy	E-5

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^{*}Denotes change

QUA	LIFICAT	ONS FOR ADVANCEMENT	Required for Advancement to
Z,	ADMI	NETRATION - Continued	DT
	2.00	Knowledge Factors - Continued	
	.61	Administration of Navy and Marine Corps Dental facilities	E-6
	. 63	Supervision and coordination of appointment systems	E-6
	*.64	Procedures for maintaining officer and enlisted service records at preparing associated reports (excluding Prosthetic and Repair	ELG
		Technicians).	E-6
	*.80	Principles of financial management of dental facilities	E-7
	+.82	Procedures for supervising records management	E-7
		SENIOR CHIEF DENTAL TECHNICIAN (DTCS)	
QUA	QUALIFICATIONS FOR ADVANCEMENT Advancement		
	1,00	Practical Factors	DT
		None.	
	2.00	Knowledge Factors	
	.90	Organization and function of medical elements of disaster	
		control units	E-8
	*.91	Principles of personnel management	E-8
	.92	Principles of completed staff work: Composition of official, business, and social correspondence	E-8
	.93	Principles of work simplification and office management	E-8
	* 94	Procedures for maintaining officer and enlisted service records a	nd
		preparing associated reports (Prosthetic and Repair Technicians	
		only)	E-8
		MASTER CHIEF DENTAL TECHNICIAN (DTCM)	
QU.	ANUTE INITIONS TON TONION TONI		Required for Advancement to
	1,00	. Practical Factors	DT
		None.	
	2.00	Knowledge Factors	
	*.95	Procedures for supervising administrative functions at dental	
		facilities	
	.96	Procedures for conducting inspections of dental facilities	E-9

^{*}Denotes change